HATENT COOPERATION TREATY

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NOTIFICATION OF ELECTION	Assistant Commissioner for Patents
(PCT Rule 61.2)	United States Patent and Trademark Office
(I C1 Nule 01.2)	Box PCT
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	ETATS-UNIS D'AMERIQUE
Date of mailing (day/month/year)	
11 October 2000 (11.10.00)	in its capacity as elected Office
International application No.	Applicant's or agent's file reference
PCT/US00/01956	P50869
FC170S00/01330	7 30003
International filing date (day/month/year)	Priority date (day/month/year)
25 January 2000 (25.01.00)	25 January 1999 (25.01.99)
Applicant	
MURPHY, Dennis et al	
1. The designated Office is hereby notified of its election mad	e:
X in the demand filed with the International Preliminary	y Examining Authority on:
 08 August 200	0 (08.08.00)
	<u> </u>
in a notice effecting later election filed with the Intern	national Bureau on:
in a notice enecting fater election filed with the inter-	idional bareau on.
2 The standard [V]	
2. The election X was	
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made before the expiration of 19 months from the priority of	late or, where Rule 32 applies, within the time limit under
Rule 32.2(b).	
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1211 Geneva 20, Switzerland

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Telephone No.: (41-22) 338.83.38



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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6: (11) International Publication Number: WO 00/43008 A61K 31/435, 31/47 A1 (43) International Publication Date: 27 July 2000 (27.07.00) PCT/US00/01956 (21) International Application Number: (81) Designated States: CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, (22) International Filing Date: 25 January 2000 (25.01.00) PT, SE). (30) Priority Data: Published 25 January 1999 (25.01.99) 60/117,059 US With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of (71) Applicant (for all designated States except US): SMITHKLINE amendments. BEECHAM CORPORATION [US/US]; Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): MURPHY, Dennis [US/US]; 500 Pickering Circle, Chester Springs, PA 19425 (US). WIER, Patrick, J. [US/US]; 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US). GIARDINA, Giuseppe, Arnaldo, Maria [IT/IT]; SmithKline Beecham Farmaceutici S.p.A., Via Zambeletti, I-20021 Baranzate (IT). (74) Agents: STEIN-FERNANDEZ, Nora et al.; SmithKline Beecham Corporation, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US). (54) Title: ANTI-ANDROGENS AND METHODS FOR TREATING DISEASE

(57) Abstract

The present invention is the novel use of NK-3 receptor antagonist compounds for the treatment and/or prophylaxis of diseases which are caused by high or inappropriate levels of gonadotropins and/or androgens, particularly testosterone.

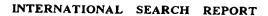
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INTERNATIONAL SEARCH REPORT

IPC(6) US CL	ASSIFICATION OF SUBJECT MATTER :A61K 31/435, 31/47 :514/277, 279, 299, 311 to International Patent Classification (IPC) or to be	ooth national classification	n and IPC			
B. FIELDS SEARCHED						
Minimum	documentation searched (classification system follo	owed by classification syr	nbols)			
	514/277, 279, 299, 311					
Documenta	tion searched other than minimum documentation to	the extent that such docum	nents are include	d in the fields searched		
	data base consulted during the international search	(name of data base and,	where practicab	le, search terms used)		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where	appropriate, of the relev	ant passages	Relevant to claim No.		
X, P	EP 0 940 391 A2 (FARINA et al.) 0 see entire document, especially page	8 September 1999 9.	(09-08-99),	3-5		
x	WO 96/02509 A1 (FARINA et al.) see entire document, especially pages	01 February 1996 4-7.	(01-02-96),	3-5		
	er documents are listed in the continuation of Box	C. See patent f	amily annex.			
A* Jocu	cial categories of cited documents: Iment defining the general state of the art which is not considered s of particular relevance	date and not in co	blished after the inter onflict with the applications underlying the	mational filing date or priority cation but cited to understand invention		
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special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art						
docu the p	ment published prior to the international filing date but later than priority date claimed		of the same patent (
ate of the a	ctual completion of the international search	Date of mailing of the i	nternational sear	ch report		
25 MARCH	f 2000	25 MAY 200				
		Authorized officen Cybille D-Muirheid Telephone No. (703)	bry 1 308-0196	tuon		



	consulted (Name of	data base and wher	e practicable terms us	sed):	
T: okinin 3 or NK-	receptor antagonist	or inhibitor, prostat	te cancer or tumor or	hyperplasia, baldness	, alopecia,
sia, anovulation,	infertility, dysmenor	rhea, uterine bleedin	ng, leutinizing hormor	ie, testosterone	•
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT WIPO

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(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P50869		ification of Transmittal of International ry Examination Report (Form PCT/IPEA/416)					
International application No.	International filing date (day/month/year)	Priority date (day/month/year)					
PCT/US00/01956	25 JANUARY 2000	25 JANUARY 1999					
	International Patent Classification (IPC) or national classification and IPC IPC(7): A61K 31/435, 31/47 and US Cl.: 514/277, 279, 299, 311						
Applicant SMITHKLINE BEECHAM CORPORA	ATION						
Examining Authority and is	transmitted to the applicant according to	ared by this International Preliminary of Article 36.					
2. This REPORT consists of a	total of sheets.						
been amended and are the (see Rule 70.16 and Section 1)	e basis for this report and/or sheets containi ion 607 of the Administrative Instructions	peription, claims and/or drawings which have ng rectifications made before this Authority under the PCT).					
These annexes consist of a to	tal of sheets.						
3. This report contains indication	is relating to the following items:						
I X Basis of the repor	rt						
II Priority							
III Non-establishment of report with regard to novelty, inventive step or industrial applicability							
IV Lack of unity of invention							
	nt under Article 35(2) with regard to novel nations supporting such statement	ty, inventive step or industrial applicability;					
VI Certain documents	cited						
VII Certain defects in t	VII Certain defects in the international application						
VIII Certain observations on the international application							
Date of submission of the demand	Date of completi	on of this report					
08 AUGUST 2000 02 OCTOBER 2000							
Name and mailing address of the IPEA	, , , , , , , , , , , , , , , , , , ,	The Collins la					
Commissioner of Patents and Traden Box PCT Washington, D.C. 20231		roix-Muirheid					
Facsimile No. (703) 305-3230	Telephone No.	(703) 308-0196					
Form PCT/IPEA/409 (cover sheet) (July		<u> </u>					



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/01956

I. B	asis f th	rep rt		
1. Witt	regard to	the elements of the interna	ational application:*	
\mathbf{x}	-	national application as		
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x				
	pages _			
	pages _		61.1.10.11.1	
	pages _	NONE	, filed with the letter of	
	the clain	ne.		
X	pages			as originally filed
	pages		, as amended (together with any	
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ΓŢ	the draw	inas.		
X	pages _	•		as originally filed
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			, filed with the letter of	
	pages		, thed with the letter of	
X	the secur	ence listing part of the d	description:	
			accompliant.	as originally filed
	bages _	NONE		filed with the demand
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	pages	•	, mod with the letter or	
	the langua	nage of publication of	the international application (under Rule 48.3(b)) mished for the purposes of international preliminary examples.	•
	_	•	or amino acid sequence disclosed in the international dout on the basis of the sequence listing:	al application, the international
	containe	d in the international a	application in printed form.	
	filed tog	ether with the internat	ional application in computer readable form.	
	furnished	d subsequently to this	Authority in written form.	
	furnished	subsequently to this	Authority in computer readable form.	
	The state	ment that the subsequential application as filed	ntly furnished written sequence listing does not go be has been furnished.	beyond the disclosure in the
	The states		n recorded in computer readable form is identical to the	e writen sequence listing has
4. X	The ame	endments have resulted	d in the cancellation of:	
	X the	e description, pages	none	
	T T	claims, Nos.	none	
_		e drawings, sheets /fig	none	
5.			(some of) the amendments had not been made, since the	ey have been considered to go
in t	lacement sl	neets which have been furi	s indicated in the Supplemental Box (Rule 70.2(c)).** nished to the receiving Office in response to an invitation I are not annexed to this report since they do not con	under Article 14 are referred to stain amendments (Rules 70.16
		ent sheet containing suc	ch amendments must be referred to under item 1 and o	annexed to this report.



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

v.	Reason d statem nt und r Article 35(citati ns and xplanati ns supp rting		rd t n velty, inventive step r industrial applicab ent	ility;
1.	statement			
	Novelty (N)	Claims	1-6	_ YES
		Claims	none	_ NO
	Inventive Step (IS)	Claims	1-6	_ YES
		Claims	none	_ NO
	Industrial Applicability (IA)	Claims Claims	1-6 none	
		Claims	none	_ NO
2.	citations and explanations (Rule 70	0.7)		
	Claims 1-6 meet the criteria set out in PC	T Article 33(2	2)-(4), because the prior art, upon further consideration, d	oes not
			prophylaxis of a disease characterized by androgenic on and a method of suppressing the production of luteinizing	ing
	hormone. The claimed methods can also be used in	industry.		
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	NEW CITATIONS			
	NONE			
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Supplem ntal Box (To be used when the space in any of the preceding boxes is not sufficient)	
Continuation of: Boxes I - VIII	Sheet 10
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